

## GILA RIVER BASIN

09503720 HELL CANYON NEAR WILLIAMS, AZ

LOCATION.--Lat 35°09'37", long 112°12'35", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.32, T.21 N., R.2 E., Coconino County, Hydrologic Unit 15060202, in Kaibab National Forest, on right bank 6 mi south of Williams.

DRAINAGE AREA.--14.9 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1966	11-25-65	1,080		1973	10-19-72	960	
1967	12-06-66	955		1974	00-00-74	0	
1968	02-24-68	139		1975	00-00-75	108	
1969	01-25-69	955		1976	00-00-76	250	
1970	03-15-70	91		1978	03-01-78	<sup>1</sup> 1,080	
1971	08-04-71	133		1979	12-18-78	220	
1972	12-26-71	910					

<sup>1</sup>Highest since 1966.

Magnitude and probability of instantaneous peak flow based on period of record 1966-76, 1978-79

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
346	862	1,360	2,190	2,960	3,860
Weighted skew	(logs) =	-0.18			
Mean	(logs) =	2.53			
Standard dev.	(logs) =	0.48			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
47.8	5.3	7,110	88.0	3.0	24.1	2.3	4.2

